

## LAB 8

### Observations

	Functions	Tolerance	No. of Iterations	Root
1	$83x + 11y - 4z = 95$ $7x + 52y + 13z = 104$ $3x + 8y + 29z = 71$	0.01	0	X=1.05862
		0.001	0	Y=1.36238
		0.0001	0	Z=1.96296
2	$8x - 3y + 2z = 45$ $4x + 11y - z = 71$ $6x + 3y + 12z = 35$	0.01	0	X=7.4125
		0.001	0	Y=3.6833
		0.0001	0	Z= -1.9
3	$18x - 3y + z = 45$ $14x + 11y - 12z = 71$ $6x + 3y + 12z = 35$	0.01	0	X=2.89938
		0.001	0	Y=2.88112
		0.0001	0	Z=0.72727

Conclusion :